

## MEETING NOTES

### 200 West Tank Farms Interim Measures Investigations

**MEETING DATE:** April 17, 2013

**LOCATION:** Washington State Department of Ecology, Richland Office

**ATTENDEES:**

Jim Alzheimer (Ecology)	R.D. Hildebrand (DOE)
Mike Barnes (Ecology)	Dan Parker (WRPS)
Joe Caggiano (Ecology)	Julie Robertson (Freestone Environmental Services)
Susan Eberlein (WRPS)	Maria Skorska (Ecology)
Les Fort (WRPS)	Cindy Tabor (WRPS)
Dan Glaser (WRPS)	Becky Wiegman (WRPS)

**BACKGROUND:** This meeting was part of the continuing effort to provide a communication avenue between Ecology and DOE representatives to discuss the documents, field work, and results of interim measures investigations being undertaken at the 241-TX, 241-SX, and 241-U Tank Farms. A list of open and unresolved actions and the status of those actions will be tracked and resolutions documented as part of the meeting notes.

**DISCUSSION:**

**Prior Meeting Notes:** The March 20, 2013 meeting notes were signed by DOE at the meeting and submitted for Ecology signature. The February meeting notes were reported to have been submitted to the Administrative Record.

**Status of the Work Plan:** The *200 West Area Tank Farms Interim Measures Work Plan* (RPP-PLAN-53808, Revision 1) was approved by Ecology on March 27, 2013. TPA Change Control Form M-45-12-05, which provides completion dates for interim milestone M-045-22 and three associated targets, was signed by DOE on March 18, 2013, and by Ecology on April 1, 2013.

**Status of the TX Farm SAP:** The *Sampling and Analysis Plan for Soil Samples in Support of Interim Measure Planning at the 241-TX Tank Farm* (RPP-PLAN-54376, Rev. 0) was transmitted to Ecology on March 11, 2013. Ecology noted one comment that requires a change to the plan. The meeting attendees discussed options for formally providing the comment within the timeframe required by Section 9.0 of the TPA Action Plan.

**Status of Ongoing Field Work:** WRPS distributed a simple graphic illustrating the anticipated vadose zone field work schedule through the first quarter of fiscal year 2015. The general sequence has direct push fieldwork being performed first at SX Farm (Stage I/II), then C Farm, then back at SX Farm (Stage III installation of extraction and monitoring boreholes), and then TX Farm. In parallel, SGE work will be conducted first at U Farm and then at C Farm. All actions were reported to be on schedule.

- **Direct Push Work:** At SX Farm, WRPS reported that Stage I and II field work (pushing two logging and two sample holes) was completed. At the 241-C-200 Tanks, four boreholes have been pushed to total depth, and logging is underway. WRPS estimated that work at the C-200 Tanks will be complete near the end of May 2013. It was identified that characterization field work at TX Farm and south of SX Farm (Stage III) will be performed simultaneously, as two hydraulic hammer units and other necessary resources will be available to support field work. Work at these farms is scheduled to begin in June 2013.
- **Surface Geophysical Exploration Work:** Field work at U Farm is scheduled to begin in late April or early May 2013. Work at C Farm is estimated to begin at the end of July 2013.
- **SX Farm Field Test Location:** The approved Work Plan, RPP-PLAN-53808, Revision 1, identifies that a field test location decision will be provided by April 30, 2013. WRPS provided a description of the field test location selected by the project team and reasons for the selection. The field test location was described as a 4-ft by 8-ft rectangle located approximately six feet west of existing borehole C8761. One borehole will be pushed into each corner of the rectangle through a zone of elevated moisture that is estimated to exist at approximately 123 ft to 125 ft bgs (based on information from recently installed boreholes at SX Farm). Each of the four boreholes will be designed for use as either a monitoring or extraction well. The benefits of selecting this location are as follows:
  - More promising sediment type (sandy mud as opposed to muddy sand), higher moisture content beds, and slightly thicker beds.
    - There is a greater than 2-ft thick moisture bed in this area.
    - Moisture greater than ~30% volumetric moisture content is present.
    - Nitrate concentrations estimated in pore water of 44 to 90 mg/L.
  - Avoids edge of tank farm excavation slope, and keeps the test area within the area for which data has been gathered.
  - Test area close to tank farm water source, and within the thicker beds (i.e., the beds seem to thin toward the south).

Based on the information provided by WRPS, the meeting attendees agreed that the selected location appears suitable for the SX Farm test. The attendees also agreed to document the agreement in these signed meeting notes rather than by formal letter.

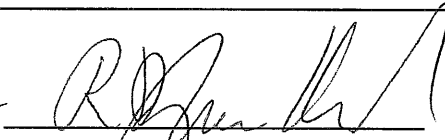

**Data Status:** WRPS reported that quick-turn results have been assembled and evaluated to inform the SX Farm test location decision. Available results were also provided to the WRPS organization responsible for preparing a radioactive air permit application. A radioactive air permit will be required to perform the test.

**New Topics:** DOE reported the receipt of an email containing draft comments from the Nez Perce on the Work Plan (RPP-PLAN-53808, Revision 0). The meeting attendees discussed the comments, which provide valuable input to the planning of the Phase II RFI/CMS investigations of the 200 West Tank Farms. However, the attendees agreed that Work Plan RPP-PLAN-53808 was prepared to fulfill a TPA milestone covering a different scope of work from that required to complete a Phase II investigation. The parties agreed there would be value in working together to informally engage with the Nez Perce to

discuss and acknowledge the value of their comments. Pending receipt of finalized comments, DOE will hold a meeting with Ecology and the Nez Perce to discuss the draft comments.

**Next Meeting:** The meeting attendees noted multiple conflicts with the proposed May 2013 meeting date. **ACTION:** Cancel proposed May 2013 meeting. WRPS/DOE will provide an email status report in lieu of the May meeting.

**ACTIONS:** Refer to the following table. A date-based numbering system is used to track the actions. Actions will be removed from the list after DOE and Ecology have agreed to close the action.

<u>R Douglas Hildebrand</u> DOE Project Manager (print)	 DOE Project Manager (signature)	<u>5-20-2013</u> Date
<u>Michael W Barnes</u> Ecology Project Manager (print)	 Ecology Project Manager (signature)	<u>5-22-2013</u> Date

Item #	Topic/Title	Actionee	Description	Status
2013-03-20-1	Provide revised WP to Ms. Skorska	Tabor/Hendrickson	Provide Ms. Skorska with paper and electronic copies of WP	closed
2013-03-20-2	Provide date for completing TX data package	Tabor	Provide date when completed TX data package will be given to Ecology to support evaluation of recommendations	Closed. Action will be addressed in response to action 2013-03-20-3.
2013-03-20-3	Respond to Rev. 0 TX SAP	Barnes	Prepare letter formally responding to DOE submission of Rev. 0 TX SAP, requesting date for provision of TX data package.	In process.
2013-04-17-1	Provide May 2013 Status by email	Eberlein/Hildebrand	Cancel May 2013 meeting and provide email status report in lieu of meeting.	New.